Set Name Query side by side			Hit Count Set Name result set	
•	SPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
<u>L1</u>	polypropylene or poly propylene or (polymer with propylene) or (copolymer with propylene) or (homopolymer with propylene) or (homo polymer with propylene)	316626	<u>L1</u>	
<u>L2</u>	(contains near4 propylene) or (containing near4 propylene) or propylene content or (content adj2 propylene)	23953	<u>L2</u>	
<u>L3</u>	11 same L2	12967	<u>L3</u>	
<u>L4</u>	loss tangent and L3	50	<u>L4</u>	
<u>L5</u>	tangent and L3	127	<u>L5</u>	
<u>L6</u>	((525/191  525/240 )!.CCLS. ) and L5	24	<u>L6</u>	

## END OF SEARCH HISTORY

### WEST

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#### Search Results - Record(s) 1 through 10 of 24 returned.

1. Document ID: US 6541123 B1 L6: Entry 1 of 24 File: USPT Apr 1, 2003 US-PAT-NO: 6541123 DOCUMENT-IDENTIFIER: US 6541123 B1 TITLE: Polyolefin film for stretch packaging DATE-ISSUED: April 1, 2003 INVENTOR-INFORMATION: CITY STATE ZIP CODE COUNTRY NAME Taniguchi; Kouichirou Nagahama JΡ Sasaki; Hideki Nagahama JΡ Kitamura; Takuya Nagahama JΡ US-CL-CURRENT: 428/520; 428/516, 428/523, 525/240, 525/241, 526/348, 526/348.1 Full Title Citation Front Review Classitication Date Reference Sequences Attachments Claims KMC Draw Desc Image 2. Document ID: US 6495632 B2 L6: Entry 2 of 24 USPT File: Dec 17, 2002 US-PAT-NO: 6495632 DOCUMENT-IDENTIFIER: US 6495632 B2 TITLE: Polypropylene series resin sheet DATE-ISSUED: December 17, 2002 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY Yamamoto; Toshiki Ichihara JΡ Maekawa; Akinori Ichihara JΡ Nakashima; Takanori Ichihar JΡ US-CL-CURRENT: <u>525/191</u>; <u>525/221</u>, <u>525/222</u>, <u>525/240</u> Full Title Citation Front Review Classification Date Reference 3. Document ID: US 6469100 B2 L6: Entry 3 of 24 File: USPT Oct 22, 2002

US-PAT-NO: 6469100

DOCUMENT-IDENTIFIER: US 6469100 B2

```
TITLE: Propylene block copolymer and resin composition
DATE-ISSUED: October 22, 2002
INVENTOR - INFORMATION:
                                                                                                CITY
                                                                                                                                              STATE
                                                                                                                                                                           ZIP CODE
                                                                                                                                                                                                                        COUNTRY
NAME
                                                                                                                                                                                                                         JΡ
Suzuki; Toru
                                                                                               Kanagawa
                                                                                                                                                                                                                        JP
Sugano; Toshihiko
                                                                                               \mathtt{Mie}
                                                                                                                                                                                                                        JP
Sano; Hironari
                                                                                               Mie
                                                                                                                                                                                                                         ďΡ
Seki; Motohiro
                                                                                               Mie
Tayano; Takao
                                                                                               Mie
                                                                                                                                                                                                                         JP
                                                                                                                                                                                                                        JP
Nakano; Hiroshi
                                                                                               Mie
US-CL-CURRENT: 525/88; 525/240, 525/321, 525/323, 526/943
              4. Document ID: US 6261655 B1
       L6: Entry 4 of 24
                                                                                                                                     File: USPT
                                                                                                                                                                                                                                 Jul 17, 2001
US-PAT-NO: 6261655
DOCUMENT-IDENTIFIER: US 6261655 #1
TITLE: Multi-layered polymer based thin film structure for medical grade products
DATE-ISSUED: July 17, 2001
INVENTOR-INFORMATION:
                                                                                                 ¢ity
                                                                                                                                                                       STATE
                                                                                                                                                                                             ZIP CODE
                                                                                                                                                                                                                                 COUNTRY
NAME
Rosenbaum; Larry A.
                                                                                                 Gurnee
                                                                                                                                                                       IL
Anderson; William
                                                                                                 Hoffman Estates
                                                                                                                                                                       IL
                                                                                                 Libertyville
                                                                                                                                                                       IL
Woo; Lecon
                                                                                                 Round Lake Beach
Laurin; Dean
                                                                                                                                                                       IL
Buan; Angeles Lillian
                                                                                                 ¢rystal Lake
                                                                                                                                                                      IL
Ling; Michael T. K.
                                                                                                 Vernon Hills
                                                                                                                                                                      IL
Ding; Yuan Pang Samuel
                                                                                                Vernon Hills
                                                                                                                                                                      IL
Hayward; Denise S.
                                                                                                Mundelein
                                                                                                                                                                      IL
Hoppesch; Joseph P.
                                                                                                McHenry
                                                                                                                                                                      IL
Nebgen; Gregg
                                                                                                Burlington
                                                                                                                                                                      WI
Westphal; Stanley
                                                                                                East Dundee
                                                                                                                                                                       IL
 \begin{array}{l} \text{US-CL-CURRENT: } & \underline{428/36.7}; & \underline{428/345}, \\ \underline{428/423.1}, & \underline{428/424.2}, & \underline{428/473.5}, & \underline{428/355AC}, & \underline{428/355BL}, & \underline{428/355EN}, & \underline{428/355N}, & \underline{428/36.6}, \\ \underline{428/423.1}, & \underline{428/424.2}, & \underline{428/473.5}, & \underline{428/483}, & \underline{428/501}, & \underline{428/505}, & \underline{428/515}, & \underline{428/516}, & \underline{428/517}, \\ \end{array} 
\frac{428}{519}, \frac{428}{520}, \frac{428}{521}, \frac{428}{522}, \frac{428}{523}, \frac{525}{165}, \frac{525}{172}, \frac{525}{221}, \frac{52
                                                                                                             428/523, 525/165, 525/171, 525/177, 525/185,
                                                                                                                                                                                            525/92R ,
525/95, 525/98
           Full Title Citation Front Review Classingation Da12 Reference Sequences Attachments
              5. Document ID: US 6245856 B1
       L6: Entry 5 of 24
                                                                                                                                     File: USPT
                                                                                                                                                                                                                                 Jun 12, 2001
US-PAT-NO: 6245856
```

DOCUMENT-IDENTIFIER: US 6245856 B1

TITLE: Thermoplastic olefin compositions DATE-ISSUED: June 12, 2001 INVENTOR-INFORMATION: NAME STATE ZIP CODE COUNTRY Kaufman; Lawrence George eague City TXCozewith; Charles Bellaire TX Gadkari; Avinash Chandrakant Houston TXDharmarajan; Narayanaswami Raja Glenmont NY Ellul; Maria Dolores Silver Lake OH US-CL-CURRENT: 525/240; 525/191, 525/88 526/351, 526/943 Full Title Citation Front Review Classification Date Reference Sequences Affachments KMMC Draw Desc Image 6. Document ID: US 6187449 B1 L6: Entry 6 of 24 File: USPT Feb 13, 2001 US-PAT-NO: 6187449 DOCUMENT-IDENTIFIER: US 6187449 B1 \*\* See image for Certificate of Correction \*\* TITLE: Food packaging stretch film DATE-ISSUED: February 13, 2001 INVENTOR-INFORMATION: COUNTRY NAME CITY STATE ZIP CODE Sasaki; Hideki Nagahama JP Nakamura; Kenji Nagahama JP US-CL-CURRENT: 428/517; 428/519, 428/521, <u>525/240</u>, <u>525/241</u>, <u>525/88</u> Full Title Citation Front Review Classification Date Reference Sequences Attachments Draw Desc 7. Document ID: US 6168862 B1 L6: Entry 7 of 24 File: USPT Jan 2, 2001 US-PAT-NO: 6168862 DOCUMENT-IDENTIFIER: US 6168862 B1 TITLE: Multi-layered polymer based thin tilm structure for medical grade products DATE-ISSUED: January 2, 2001 INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rosenbaum; Larry A.	Gurnee	IL		
Anderson; William	Hoffman Estates	IL		
Woo; Lecon	Libercyville	IL		
Laurin; Dean	Round Lake Beach	IL		
Buan; Angeles Lillian	Crystal Lake	IL		
Ling; Michael T. K.	Vernon Hills	IL		
Ding; Yuan Pang Samuel	Vernon Hills	IL		
Hayward; Denise S.	Mundelein	IL		
Hoppesch; Joseph P.	McHenry	IL		
Nebgen; Gregg	Bur ington	WI		
Westphal; Stanley	East Dundee	IL		

US-CL-CURRENT: 428/345; 428/355AC, 428/355BL, 428/355EN, 428/355EN, 428/355N, 428/36.6, 428/36.7, 428/472.1, 428/475.8, 428/476.3, 428/476.9, 428/515, 428/516, 428/519, 428/520, 428/522, 428/523, 525/178, 525/185, 525/191, 525/222, 525/240, 525/241, 525/66, 525/88, 525/92B, 525/92B, 525/93, 525/96

8. Document ID: U	JS 6048942 A	- 1				
L6: Entry 8 of 24		File:	JSPT			Apr 11, 2000
S-PAT-NO: 6048942 OCUMENT-IDENTIFIER: US 60	48942 A					
TITLE: Thermoplastic olefi	n articles having	, high s	surface g	gloss	and max	r resistance
ATE-ISSUED: April 11, 200	0					
NVENTOR-INFORMATION:		- 1				
JAME	CITY		STATE	ZIP	CODE	COUNTRY
Buehler; Charles K.	Lansing		MI			
Wyer; Stephen M.	Okemos		MI			
Mosier; Douglas	Seoul					KR
Paschick; Matthew L.	East Lansin	a l	MI			

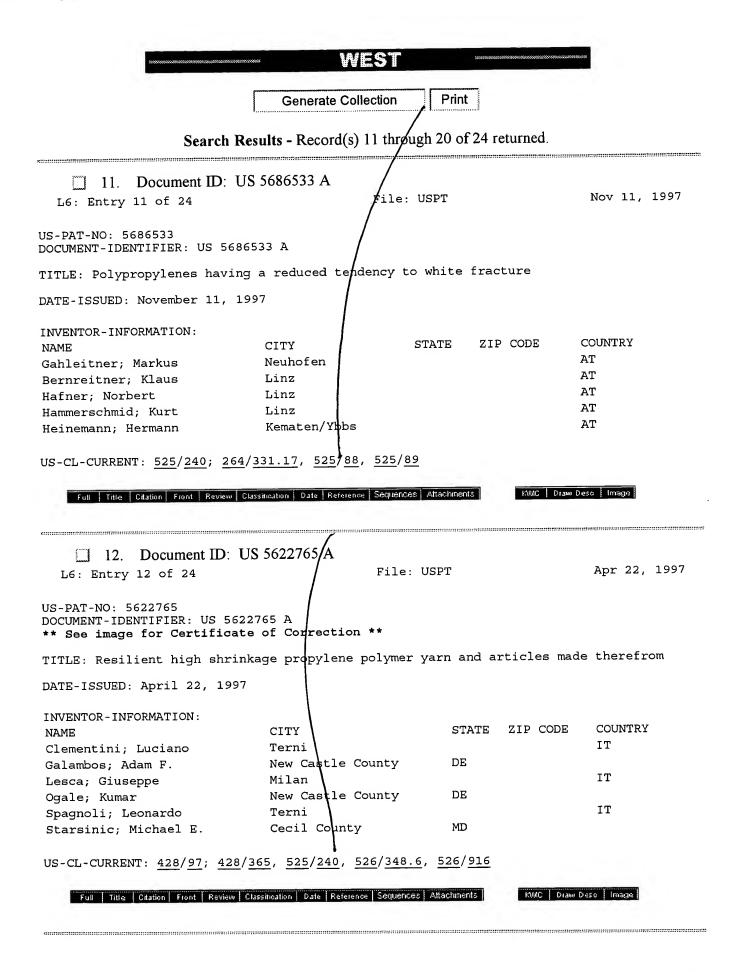
9. Document ID: US 6015854 A L6: Entry 9 of 24 File: USPT Jan 18, 2000 US-PAT-NO: 6015854 DOCUMENT-IDENTIFIER: US 6015854 A TITLE: Polypropylene impact copolymers with high clarity DATE-ISSUED: January 18, 2000 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY McCullough, Jr.; James Douglas Houston ТX

US-CL-CURRENT: 524/396; 525/240, 525/244, 525/322, 525/324

Full   Title   Citation   Front   Review   Cla	ssification   Date   Reference   Sequences	Attachments E	MIC Draw Deso   Image
10. Document ID: US	S 5998019 A		
L6: Entry 10 of 24	File:	USPT	Dec 7, 1999
US-PAT-NO: 5998019 DOCUMENT-IDENTIFIER: US 5998	019 A		
TITLE: Multi-layered polymer	structure for medical	products	
DATE-ISSUED: December 7, 199	9		
INVENTOR-INFORMATION:	/		
NAME	CITY	STATE ZIP	CODE COUNTRY
Rosenbaum; Larry A.	Gurnee	IL	
Anderson; William	Hoffman Esta <b>f</b> es	IL	
Woo; Lecon	Libertyvill <b>e</b>	IL	
Laurin; Dean	Round Lake Beach	IL	
Buan; Angeles Lillian	Crystal Lake	IL	
Ling; Michael T.K.	Vernon Hills	IL	
Ding; Yuan Pang Samuel	Vernon Hills	IL	
Hayward; Denise S.	Mundelein	IL	
Hoppesch; Joseph P.	McHenry	IL	
Nebgen; Gregg	Burlington	MI	
Westphal; Stanley	East Dundee	IL	
US-CL-CURRENT: 428/345: 428/	354, 428/36, 6, 428/36,	7. 428/475.8.	428/476.1. 428/476.3
US-CL-CURRENT: <u>428/345; 428</u> / 428/476.9, 428/515, 428/516,	428/520, 428/523, 525,	7178, 525/185,	525/191, 525/222,
525/ <u>240, 525/241, 525/88, 5</u> 2	5/92B, 525/92R, 525/93	, 525/95, 525	/96
Full Title Citation Front Review Cla	assitioation Date Reference Sequences	Attachments K	WIC Draw Desc Image
	Generate Collection	Print	
	Term	•••••••••••••••••••••••••••••••••••••••	Documents
525/191.EPAB,JPAB,		***************************************	591
, , , , , , , , , , , , , , , , , , , ,			

Term	Documents
525/191.EPAB,JPAB,USPT.	591
525/240.EPAB,JPAB,USPT.	2512
(((525/191   525/240)!.CCLS.) AND 5).USPT,JPAB,EPAB,DWPI,TDBD.	24
(((525/191  525/240 )!.CCLS. ) AND L5).USPT,JPAB,EPAB,DWPI,TDBD.	24

<u>Previous Page</u> <u>Next Page</u>



13. Document ID: US 5608008 A

L6: Entry 13 of 24

File: USPT

Mar 4, 1997

US-PAT-NO: 5608008

DOCUMENT-IDENTIFIER: US 5608008 A

TITLE: Polypropylene resin composition and molded product

DATE-ISSUED: March 4, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Miyata; Hiroshi Yamaquchi; Masayuki

Suzuki; Kenichi

Yokkaichi Yokkaichi Yokkaichi

JΡ JP JP

US-CL-CURRENT: 525/240; 525/88

Full Title Citation Front Review Classification Date Reference Sequences Attachments

14. Document ID: US 5587229 A

L6: Entry 14 of 24

File: USPT

Dec 24, 1996

US-PAT-NO: 5587229

DOCUMENT-IDENTIFIER: US 5587229 A

TITLE: Resilient, high shrinkage propyler polymer yarn and articles made therefrom

DATE-ISSUED: December 24, 1996

INVENTOR-INFORMATION:

Starsinic; Michael E.

NAME CITY Clementini; Luciano

Terni

ZIP CODE STATE

COUNTRY

Galambos; Adam F.

Milan

New Castle County

DE

ΙT IT

Lesca; Giuseppe Ogale; Kumar

New Castle County

DE

IT

Spagnoli; Leonardo

Terni

Cecil County

MD

US-CL-CURRENT: 442/195; 428/365, 442/196 442/199, 442/301, 442/337, 442/361, 442/414, <u>525/240</u>, <u>526/348.6</u>, <u>526/916</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

15. Document ID: US 5541260 A

L6: Entry 15 of 24

File: USPT

Jul 30, 1996

US-PAT-NO: 5541260

DOCUMENT-IDENTIFIER: US 5541260 A

\*\* See image for Certificate of Correction \*\*

TITLE: Polypropylene compositions having good transparency and improved impact

resistance

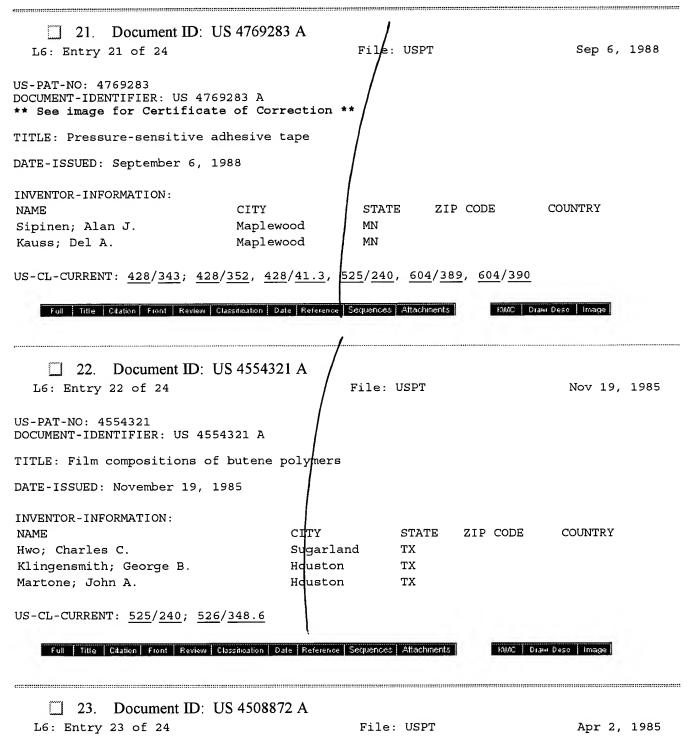
DATE-ISSUED: July 30, 1996

INVENTOR - INFORMATION: ZIP CODE NAME CITY STATE COUNTRY Pelliconi; Anteo IT Ferrara Ciarrocchi; Antonio Ferrara IT Massari; Paola IT Ferrara US-CL-CURRENT: 525/240; 525/322, 525/323 Full Title Citation Front Review Classification Date Reference Sequences Affachments 16. Document ID: US 5486419 A L6: Entry 16 of 24 File: USPT Jan 23, 1996 US-PAT-NO: 5486419 DOCUMENT-IDENTIFIER: US 5486419 A \*\* See image for Certificate of Correction \*\* TITLE: Resilient, high strinkage propylene polymer yarn and articles made therefrom DATE-ISSUED: January 23, 1996 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY Clementini; Luciano Terni ΙT New Castle County Galambos; Adam F. DE Lesca; Giuseppe Milan IT Spagnoli; Leonardo Terni IT Starsinic; Michael E. Cecil County MD Ogale; Kumar New Castle County DE US-CL-CURRENT: 428/397; 428/364, 428/365, 525/240, 526/348.6, 526/916Full Title Citation Front Review Classification Date Reference Sequences Attachments MMC Draw Desc Image ☐ 17. Document ID: US 5468808 A L6: Entry 17 of 24 File: USPT Nov 21, 1995 US-PAT-NO: 5468808 DOCUMENT-IDENTIFIER: US 5468808 A TITLE: Reduction of flow marks in rubber modified polypropylene DATE-ISSUED: November 21, 1995 INVENTOR-INFORMATION: NAME CITY STATE ZIP CODE COUNTRY Peacock; Andrew J. Houston TXUS-CL-CURRENT: 525/240; 524/490, 524/491, 524/504, 524/505, 524/529, 525/242 Full Title Citation Front Review Classification Date Reference Sequences Attachments KWMC Draw Desc Image

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18. Document ID: US 5360868 A
                                                  File: USPT
                                                                                 Nov 1, 1994
  L6: Entry 18 of 24
US-PAT-NO: 5360868
DOCUMENT-IDENTIFIER: US 5360868 A
** See image for Certificate of Correction
TITLE: Polyolefin compositions having a high balance of stiffness and impact strength
DATE-ISSUED: November 1, 1994
INVENTOR-INFORMATION:
                                    CITY
                                                  STATE
                                                            ZIP CODE
                                                                             COUNTRY
NAME
Mosier; Douglas D.
                                    DeWitt
                                                  MΙ
Barrera; Mark E.
                                    Lansing
                                                  ΜI
Dwyer; Stephen M.
                                    Okemos
                                                  ΜI
US-CL-CURRENT: <u>525/89</u>; <u>524/505</u>, <u>524/528</u>
                                            <u>525/240</u>, <u>525/88</u>, <u>525/95</u>
    Full Title Citation Front Review Classification Date Reference Sequences Attachments
                                                                     KAMC Draw Desc Image
     19. Document ID: US 5318842 A
  L6: Entry 19 of 24
                                                 File: USPT
                                                                                 Jun 7, 1994
US-PAT-NO: 5318842
DOCUMENT-IDENTIFIER: US 5318842 A
TITLE: Biaxially oriented propylene polymer film or sheet articles
DATE-ISSUED: June 7, 1994
INVENTOR-INFORMATION:
NAME
                                                     STATE
                                                               ZIP CODE
                                                                              COUNTRY
                      New Castle County
Ogale; Kumar
                                                     DE
US-CL-CURRENT: 428/349; 428/516, 428/910, 525/240
    Full Title Citation Front Review Classification Date Reference Sequences Attachments
     20. Document ID: US 5298561 A
  L6: Entry 20 of 24
                                                File: USPT
                                                                               Mar 29, 1994
US-PAT-NO: 5298561
DOCUMENT-IDENTIFIER: US 5298561 A
** See image for Certificate of Correction **
TITLE: Propylene polymer composition having good transparency and improved impact
resistance
DATE-ISSUED: March 29, 1994
INVENTOR-INFORMATION:
NAME
                                                   STATE
                                     CITY
                                                             ZIP CODE
                                                                             COUNTRY
Cecchin; Giuliano
                                     Ferrara
                                                                             TT
Guglielmi; Floriano
                                     Ferrara
                                                                             IT
```

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#### Search Results - Record(s) 21 through 24 of 24 returned.



US-PAT-NO: 4508872

DOCUMENT-IDENTIFIER: US 4508872 A

TITLE: High toughness propylene polymer compositions

DATE-ISSUED: April 2, 1985

INVENTOR-INFORMATION:
NAME

McCullough, Jr.; J. Douglas

US-CL-CURRENT: 525/88; 525/192, 525/194, 525/240

Full Title Citation Front Review Classification Date Reference Sequences MMC Draw Desc Image 24. Document ID: US 4493923 A L6: Entry 24 of 24 File: USPT Jan 15, 1985 US-PAT-NO: 4493923 DOCUMENT-IDENTIFIER: US 4493923 A TITLE: High notched impact toughness propylene polymer compositions DATE-ISSUED: January 15, 1985 INVENTOR-INFORMATION: dity ZIP CODE COUNTRY STATE NAME McCullough, Jr.; J. Douglas Houston US-CL-CURRENT: 525/88; 525/211, 525/240, KMC Draw Desc Image Full Title Citation Front Review Classification Date Reference Sequences Attachments

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Term	Documents
525/191.EPAB,JPAB,USPT.	591
525/240.EPAB,JPAB,USPT.	2512
(((525/191   525/240)!.CCLS.) AND 5).USPT,JPAB,EPAB,DWPI,TDBD.	24
((((525/191  525/240 )!.CCLS. ) AND L5).USPT,JPAB,EPAB,DWPI,TDBD.	24

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<u>Previous Page</u> <u>Next Page</u>